

**TERUMOBCT**

**QUANTUM® CELL EXPANSION SYSTEM**

DISPOSABLES AND ACCESSORIES FOR THE  
QUANTUM CELL EXPANSION SYSTEM



**Close, Automate, Expand.**

## Disposables and Accessories

The Quantum system takes the rapidly changing cell therapy field to the next level—performing automated cell expansion of either adherent or suspension cells within a functionally closed environment. As a part of the system, the components needed to grow and harvest cells are detailed below.

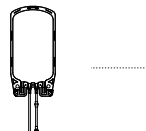
### Quantum Cell Expansion System Set: PN 21012 (Pictured on front page)

This pre-connected disposable set is required to culture cells, and includes a hollow fiber bioreactor, gas-transfer module, waste bag and harvest bag. Depending on the application, additional disposables and a hardware accessory are available for common process needs.

### Quantum System Disposable Accessories:

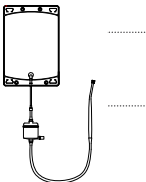
#### Cell Inlet Bag: PN 21020

This bag is used to add fluid volumes less than 0.5 L (such as cell suspensions or cell release agents) to the system.



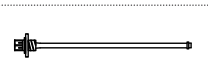
#### Media Bag: PN 21021

This bag is used to add fluid volumes up to 4 L (such as media or electrolyte solution) to the system. Fluid is added to the bag through a pre-attached sterile barrier filter.



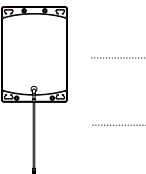
#### Sampling Coil: PN 21022

This coil of tubing is used to replace the sampling coil in the intracapillary circulation loop, from which fluid samples and suspended cells may be removed via a sterile welding device.



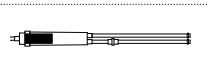
#### Waste Bag: PN 21023

This bag is used to collect waste from the cell culture process.



#### In-line Filter 200 Micron: PN 21024

This accessory removes large particulates from the inlet sources (such as bone fragments in a bone marrow aspirate).



### Quantum System Hardware Accessory:

#### Roll Stand: PN 92005

This mobile, height-adjustable stand is designed to facilitate the use of sterile welding equipment in conjunction with one or more Quantum systems.

Contact your Terumo BCT representative for more details.

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